DS7445i Series LED Keypads

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Invented for life

- Easily-accessible instruction label
- Three programmable emergency keys

The DS7445i is a four-wire LED keypad that can be used with the DS7060, DS7080iP-32, DS7200 Series, and DS7400Xi Series Control Panels. The keypad can be mounted on a surface or on standard single- or double-gang boxes, or four-inch square boxes.
The DS7445i has 16 LEDs representing up to eight hard-wired zones and eight expansion zones. The eight hard-wired zones on the DS7080iP-32 Control Panel are represented by the first eight LEDs (the next eight LEDs do not operate). When using the DS7060 6-Zone Control Panel, only the first six LEDs operate.

Functions

Easily-accessible Instruction Label
Basic user instructions are located in a pull-out slide that can be installed to pull from either the left or the right.

Three Programmable Emergency Keys
The three unmarked keys across the bottom row of the keypad are programmable as a fire emergency key, a special emergency key, and a panic key. Adhesive labels are provided for use if the keys are programmed.

Certifications and approvals

Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD) [DS7445i-BEL]
Belgium	INCERT	B-509-0004/c

Installation/configuration notes

Compatibility Information

Control Panel	Number of Operating LEDs on DS7445i Keypads
DS7080iP-32 and DS7400Xi Series Control Panels	8
DS7060 Control Panel	6
DS7220V2 and DS7240V2 Series Control Panels	16

Wiring
The wire length between the keypad and the control panel must be no more than 1000 ft (305 m). Up to two keypads can be placed along any single 1000 ft (305 m) run of 22 AWG (0.8 mm) non-shielded, quad

(four-wire) cable. Three keypads can be used on any single 1000 ft (305 m) run of 18 AWG (1.2 mm) non-shielded, quad (four-wire) cable.

Notice
Do not mount outdoors.

Commercial Fire Applications
The DS7445i can be used in commercial fire applications with the DS7400Xi Series Control Panels as follows:

- **Single Keypad Use in Commercial Fire Systems:** The keypad must be used on the keypad bus and must be assigned as keypad address 1. It can be mounted on the front of the control enclosure. If it is not mounted on the front of the control enclosure, you must mount it in the same room as and within 20 ft (6 m) of the control equipment, and run the wire in conduit or provide equivalent protection against mechanical damage.
- **Multiple Keypad Use in Commercial Fire Systems:** One keypad must be used on the keypad bus and must be assigned as keypad address 1. It can be mounted on the front of the control enclosure. If it is not mounted on the front of the control enclosure, you must mount it in the same room as and within 20 ft (6 m) of the control equipment, and run the wire in conduit or provide equivalent protection against mechanical damage.
  Connect keypads 2 through 10 to the keypad bus and place as needed within the wiring limits.
  Use only one keypad on the option bus and assign it as keypad address 11, 12, 13, or 14.

Notice
Keypad 15 is not available on commercial fire systems because Option Bus Address 15 is used for the DS7420i Dual Phone Line/Bell Supervision Module.

Notice
On the DS7400Xi Control Panels, up to 11 keypads can be used in commercial fire mode. Install one keypad on the option bus and up to ten keypads on the keypad bus.

Notice
When using multiple keypads in a commercial fire application, a UL Listed auxiliary power supply might be required.

Technical specifications

Environmental Considerations

Relative Humidity:	5% to 93% at +90°F (+32°C), non-condensing
Temperature (Operating):	+32°F to +122°F (0°C to +50°C)

Power Requirements

Current Draw:	95 mA idle; 200 mA max (with speaker volume and backlight brightness at maximum)
Voltage (Operating):	12 VDC

Product Characteristics

Dimensions:	12 cm x 21 cm x 2 cm (4.6 in. x 8.2 in. x 0.8 in.)
Weight:	15.5 oz. (439 g)

Ordering information

DS7445i LED Keypad
Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones
Order number **DS7445i**

DS7445i-EXP LED Keypad
For export. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-EXP**

DS7445i-BEL LED Keypad
For use in Belgium. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-BEL**

DS7445i-FRA LED Keypad
For use in France. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-FRA**

DS7445i-NOR LED Keypad
For use in Norway. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-NOR**

DS7445i-ITA LED Keypad
For use in Italy. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-ITA**

DS7445i-SPA LED Keypad
For use in Spain. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-SPA**

DS7445i-SWE LED Keypad
For use in Sweden. Provides 16 LEDs representing up to eight hard-wired zones and eight expansion zones.
Order number **DS7445i-SWE**

DS7445i-UK for UK
Order number **DS7445i-UK**

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